


FORM PTO-1449 	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT	ATTY. DOCKET NO. ENT/4	APPLN. NO. 10/646,284
		APPLICANT Anita H. Lewin et al.	CONFIRMATION NO. 9373
		FILING DATE August 21, 2003	GROUP 1625

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
---------------------	--------------------	------	------	-------	----------	----------------------------------

<i>BD</i>	5,663,345	09/02/97	Somers et al.	546	127	
<i>BD</i>	5,559,123	09/24/96	Somers et al.	514	304	
<i>BD</i>	5,376,667	12/27/94	Somers et al.	514	304	
<i>BD</i>	4,556,663	12/03/85	Somers	514	304	
<i>BD</i>	4,512,996	04/23/85	Somers	514	304	
<i>BD</i>	4,469,700	09/04/84	Somers	424	265	
<i>BD</i>	2,948,730	08/09/60	Rudner et al.	260	292	
<i>BD</i>	2,893,996	07/07/59	Rudner et al.	260	292	

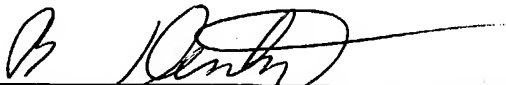
FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER INITIAL	
<i>BD</i>	W.H. Anderson and D.T. Stafford, "Applications of Capillary Gas Chromatography in Routine Toxicological Analyses", <u>J. High Resolut. Chromatogr., Chromatogr. Commun.</u> , 6, pp. 247-254 (1983)
<i>BD</i>	M.R. Bell and S. Archer, "L(+)-2-Tropinone", <u>J. Amer. Chem. Soc.</u> , 82, pp. 4642-4644 (1960)
<i>BD</i>	R. Bingham, "Esterene in the Treatment of Rheumatoid Arthritis", <u>Arthritis News Today</u> , 2(7), pp. 1-4 (1980)

EXAMINER



DATE CONSIDERED

10-6-2004

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. ENT/4	APPLN. NO. 10/646,284
		APPLICANT Anita H. Lewin et al.	CONFIRMATION NO. 9373
		FILING DATE August 21, 2003	GROUP 1625
INFORMATION DISCLOSURE STATEMENT BY APPLICANT			

BD	C.S. Boyer and D.R. Petersen, "Enzymatic Basis for the Transesterification of Cocaine in the Presence of Ethanol: Evidence for the Participation of Microsomal Carboxylesterases", <u>J. Pharmacol. Exp. Ther.</u> , 260(3), pp. 939-946 (1992)
BD	M.R. Brzezinski et al., "Convenient Synthesis of Benzoylcegonine Ethyl Ester, a Homolog of Cocaine", <u>Synth. Commun.</u> , 22(7), pp. 1027-1032 (1992)
BD	R.D. Budd, "Cocaine Radioimmunoassay - Structure Versus Reactivity", <u>Clin. Toxicol.</u> , 18(7), pp. 773-782 (1981)
BD	H. Bundgaard, <u>Design of Prodrugs</u> , Elsevier, Amsterdam, pp. 1-2 (1985)
BD	D.T. Chia and J.A. Gere, "Rapid Drug Screening Using Toxi-Lab® Extraction Followed by Capillary Gas Chromatography/Mass Spectroscopy", <u>Clin. Biochem.</u> , 20, pp. 303-306 (1987)
BD	T. Cohen et al., "The Direction of Opening of Styrene Oxide by Acetic Acid", <u>J. Org. Chem.</u> , 27, p. 814-819 (1962)
BD	E.J. Cone et al., "Testing Human Hair for Drug Abuse. II. Identification of Unique Cocaine Metabolites in Hair of Drug Abusers and Evaluation of Decontamination Procedures", <u>J. Anal. Toxicol.</u> , 15, pp. 250-255 (1991)
BD	C. Csongar et al., <u>J. f. prakt. Chemie.</u> , 329(6), pp. 1111-1115 (1987)
BD	R.A. Dean et al., "Human Liver Cocaine Esterases: Ethanol-Mediated Formation of Ethylcocaine", <u>FASEB J.</u> , 5, pp. 2735-2739 (1991)
BD	F. Fish and W.D.C. Wilson, "Excretion of Cocaine and its Metabolites in Man", <u>J. Pharm. Pharmac.</u> , 21 Suppl., pp. 135S-138S (1969)
BD	J.R. Fozard et al., "Structure-Activity Relationship of Compounds Which Block Receptors for 5-Hydroxytryptamine on the Sympathetic Nerves of the Rabbit Heart", <u>Br. J. Pharmacol.</u> , 61(3), pp. 499P-500P (1977)
BD	J.R. Fozard et al., "Blockade of Serotonin Receptors on Autonomic Neurones by (-)-Cocaine and Some Related Compounds", <u>Eur. J. Pharmacol.</u> , 59, pp. 195-210 (1979)
BD	J.M.G. Galvez and A.P. de Abram, "Cocaína: Avances en su Investigacion", <u>Bol. Soc. Quim. Peru</u> , 56, pp. 12-20 (1989)
BD	W.L. Hearn et al., "Cocaethylene is More Potent than Cocaine in Mediating Lethality", <u>Pharmacol. Biochem. Behav.</u> , 39(2), pp. 531-533 (1991)
BD	W.L. Hearn et al., "Cocaethylene: A Unique Cocaine Metabolite Displays High Affinity for the Dopamine Transporter", <u>J. Neurochem.</u> , 56(2), pp. 698-701 (1991)

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. ENT/4	APPLN. NO. 10/646,284
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		APPLICANT Anita H. Lewin et al.	CONFIRMATION NO. 9373
		FILING DATE August 21, 2003	GROUP 1625

BD	G.W. Hime et al., "Analysis of Cocaine and Cocaethylene in Blood and Tissues by GC-NPD and GC-Ion Trap Mass Spectrometry", <u>J. Anal. Toxicol.</u> , 15, pp. 241-245 (1991)
BD	P. Jatlow et al., "Cocaethylene: A Neuropharmacologically Active Metabolite Associated with Concurrent Cocaine-Ethanol Ingestion", <u>Life Sci.</u> , 48(18), pp. 1787-1794 (1991)
BD	J.L. Katz et al., "Comparative Behavioral Pharmacology and Toxicology of Cocaine and its Ethanol-Derived Metabolite, Cocaine Ethyl-Ester (Cocaethylene)", <u>Life Sci.</u> , 50(18), pp. 1351-1361 (1992)
BD	A.H. Lewin et al., "2 β -Substituted Analogues of Cocaine. Synthesis and Inhibition of Binding to the Cocaine Receptor", <u>J. Med. Chem.</u> , 35(1), pp. 135-140 (1992)
BD	T. Lukaszewski and W.K. Jeffery, "Impurities and Artifacts of Illicit Cocaine", <u>J. Forensic Sci.</u> , 25(3), pp. 499-507 (1980)
BD	J. March, <u>Advanced Organic Chemistry</u> , Second Edition, McGraw-Hill Book Company, New York, p. 363 (1977)
BD	H.H. McCurdy, "Quantitation of Cocaine and Benzoylcegonine after JETUBE [®] Extraction and Derivatization", <u>J. Anal. Toxicol.</u> , 4, pp. 82-85 (1980)
BD	<u>Medical World News</u> , "FP Giving Cocaine for Arthritis is Beset But Gains a Major Ally", pp. 19-20 (1979)
BD	A.L. Misra et al., "Physiologic Disposition and Metabolism of [³ H]Ecgonine (Cocaine Metabolite) in the Rat", <u>Res. Commun. Chem. Pathol. Pharmacol.</u> , 8(1), pp. 55-63 (1974)
BD	A.L. Misra and S.J. Mule, "Calcium-Binding Property of Cocaine and Some of its Active Metabolites - Formation of Molecular Complexes", <u>Res. Comm. Chem. Pathol. Pharmacol.</u> , 11(4), pp. 663-666 (1975)
BD	A.L. Misra et al., "Estimation and Disposition of [³ H]Benzoylcegonine and Pharmacological Activity of Some Cocaine Metabolites", <u>J. Pharm. Pharmac.</u> , 27, pp. 784-786 (1975)
BD	A.L. Misra et al., "Disposition of [³ H]-Benzoylnorecgonine (Cocaine Metabolite) in the Rat", <u>Res. Commun. Chem. Pathol. Pharmacol.</u> , 13(4), pp. 579-584 (1976)
BD	C. Moore et al., "Determination of Cocaine and its Metabolites in Brain Tissue Using High-Flow Solid-Phase Extraction Columns and High-Performance Liquid Chromatography", <u>Forensic Sci. Intl.</u> , 53(2), pp. 215-219 (1992)
BD	S.J. Mule et al., "Intracellular Disposition of [³ H]-Cocaine, [³ H]-Norcocaine, [³ H]-Benzoylcegonine and [³ H]-Benzoylnorecgonine in the Brain of Rats", <u>Life Sci.</u> , 19, pp. 1585-1596 (1976)
BD	A. Pautard-Cooper and S.A. Evans, Jr., "Mechanistic Implications of 1,3,2 λ^5 -Dioxaphospholanes in the Mitsunobu Reaction", <u>J. Org. Chem.</u> , 54, pp. 2485-2488 (1989)

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. ENT/4	APPLN. NO. 10/646,284
		APPLICANT Anita H. Lewin et al.	CONFIRMATION NO. 9373
		FILING DATE August 21, 2003	GROUP 1625
INFORMATION DISCLOSURE STATEMENT BY APPLICANT			

B/D	M. Perez-Reyes and A.R. Jeffcoat, "Ethanol/Cocaine Interaction: Cocaine and Cocaethylene Plasma Concentrations and Their Relationship to Subjective and Cardiovascular Effects", <u>Life Sci.</u> , 51(8), pp. 553-563 (1992)
B/D	M. Polášek et al., "Determination of Limiting Ionic Mobilities and Dissociation Constants of Some Local Anaesthetics", <u>J. Chromatogr.</u> , 596, pp. 265-270 (1992)
B/D	R.H. Prager and Z. Yurui, "Preparation of Carboxylate Esters of Polyhydric Alcohols by Using a Sulfonated Charcoal Catalyst", <u>Aust. J. Chem.</u> , 42(6), pp. 1003-1005 (1989)
B/D	F.K. Rafla and R.L. Epstein, "Identification of Cocaine and its Metabolites in Human Urine in the Presence of Ethyl Alcohol", <u>J. Anal. Toxicol.</u> , 3, pp. 59-63 (1979)
B/D	M.E.A. Reith et al., "Locomotor Effects of Cocaine, Cocaine Congeners, and Local Anesthetics in Mice", <u>Pharmacol. Biochem. Behav.</u> , 23, pp. 831-836 (1985)
B/D	M.E.A. Reith et al., "Structural Requirements for Cocaine Congeners to Interact with Dopamine and Serotonin Uptake Sites in Mouse Brain and to Induce Stereotyped Behavior", <u>Biochem. Pharmacol.</u> , 35(7), pp. 1123-1129 (1986)
B/D	M.E.A. Reith et al., "Structural Requirements for Cocaine Congeners to Interact with [³ H]Batrachotoxinin A 20- α -Benzoate Binding Sites on Sodium Channels in Mouse Brain Synaptosomes", <u>J. Biol. Chem.</u> , 261(16), pp. 7300-7305 (1986)
B/D	S.M. Roberts et al., "Cocaethylene Hepatotoxicity in Mice", <u>Biochem. Pharmacol.</u> , 43(9), pp. 1989-1995 (1992)
B/D	S.M. Roberts et al., "An Assay for Cocaethylene and Other Cocaine Metabolites in Liver Using High-Performance Liquid Chromatography", <u>Anal. Biochem.</u> , 202, pp. 256-261 (1992)
B/D	R.H. Rohrbaugh and P.C. Jurs, "Prediction of Gas Chromatographic Retention Indexes for Diverse Drug Compounds", <u>Anal. Chem.</u> , 60(20), pp. 2249-2253 (1988)
B/D	H.-L. Schmidt and G. Werner, "Synthetischer Einbau von ¹⁴ C in (-)-Cocain, (-)-Ekgonin und Derivate", <u>Ann.</u> , 653, pp. 184-194 (1962)
B/D	R.M. Smith, "Ethyl Esters of Arylhydroxy- and Arylhydroxymethoxycocaines in the Urines of Simultaneous Cocaine and Ethanol Users", <u>J. Anal. Toxicol.</u> , 8(1), pp. 38-42 (1984)
B/D	D.L. von Minden and N.A. D'Amato, "Simultaneous Determination of Cocaine and Benzoylcegonine in Urine by Gas-Liquid Chromatography", <u>Anal. Chem.</u> , 49(13), pp. 1974-1977 (1977)
B/D	G. Werner and K.H. Störr, "Labelled Tropane Alkaloids. VI. Synthesis of [N-methyl-T1] Psicain-nue and of Polytopically Tritiated Psicain", <u>Liebigs Ann. Chem.</u> , pp. 1650-1654 (1974)

EXAMINER

B. Renty

DATE CONSIDERED

6-7-2004

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT	ATTY. DOCKET NO. ENT/4	APPLN. NO. 10/646,284
	APPLICANT Anita H. Lewin et al.	CONFIRMATION NO. 9373
	FILING DATE August 21, 2003	GROUP 1625

[illegible]

EXAMINER

B Denty

DATE CONSIDERED

11-7-2004

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not conformance and not considered. Include copy of this form with next communication to applicant.